

**ABSTRACT OF THE DISCLOSURE**

**METHOD AND APPARATUS FOR PROVIDING INK TO  
AN INK JET PRINTING SYSTEM**

5

A reservoir for an ink supply for an ink-jet printer is provided with a refill port through which it can be refilled. The reservoir may be coupled to a variable volume chamber via a check valve which allows the flow of ink from the reservoir to the chamber and limits the flow of ink from the chamber to the reservoir. The chamber is coupled to a fluid outlet which is normally closed to prevent the flow of ink. However, when the ink supply is installed in a printer, the fluid outlet establishes a fluid connection between the chamber and the printer. The chamber is part of a pump provided with the ink supply that can be actuated to supply ink from the reservoir to the printer. Alternatively, the reservoir may be coupled directly to the fluid outlet and an alternative method of transferring the ink to the printer provided.